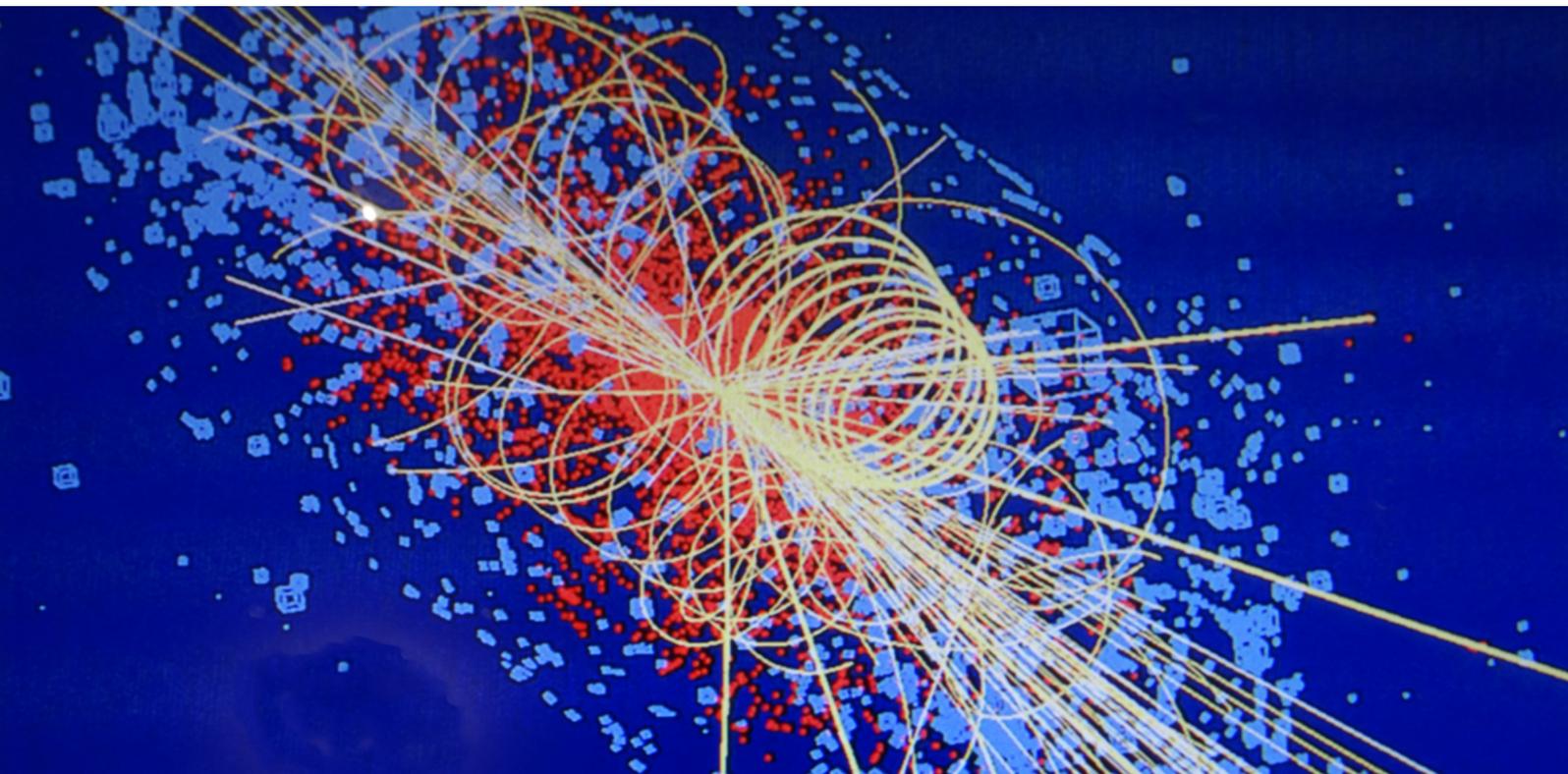


# Cognitive Architecture

rethinking thinking



## SUPPORTING QCE PHYSICS

Join an extended network of Physics teachers as we implement the new 2019 QCE Physics syllabus. This course will support you in the development of assessment materials, running mandatory and suggested practicals and will provide you with the knowledge required to teach all syllabus areas, with an in depth review of modern physics (unit 4).



COST \$799+GST - BLENDED LEARNING FORMAT - BRISBANE / TOWNSVILLE

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# SUPPORTING QCE PHYSICS

## Course Details & Objectives

What you will learn:

- assessment procedures in year 11 and year 12;
- how to conduct the mandatory and suggested practicals;
- critical knowledge to teach unit 4 - special relativity, quantum theory, the standard model & particle interactions

How is it taught?

- This course runs via our online learning environment with 2 live webinars plus a two-day executive education PL event (in Brisbane or Townsville)
- Refer to the key dates to check your availability

## Outline

- Intro and online network familiarisation . Hints and tips for the Year 11 Data Task
- Webinar 1 - Assessment issues in the new QCE Physics syllabus (twilight, requires participation online)
- Online collaborative learning tasks
- Webinar 2 - Mandatory and suggested practicals in the new QCE Physics syllabus (twilight, requires participation online)
- Online collaborative learning tasks
- Two-day Executive PL event in Townsville or Brisbane: preparing for units 3 and 4, summative assessment issues, mandatory and suggested practicals in year 12.

## Key dates

20 May 2019	Course opens online. Get to know who is in the network and exchange ideas about the new data task. Online information regarding data task development is available straight away.
23 May 2019	Webinar 1 - Assessment issues in the new QCE Physics syllabus  Online information and support for assessment items and new curriculum elements
1 August 2019	Webinar 2 - Mandatory and suggested practicals in the new QCE Physics syllabus  Online collaborative learning tasks
24 October 2019 25 October 2019	Two-day Executive PL Event - Townsville
31 October 2019 1 November 2019	Two-day Executive PL Event - Brisbane  Continued 12-month access to online support

## Course tutor



Tim Smith

Tim taught in the UK before moving to Australia in 2008. He has held positions of leadership in schools and has advised on policy and curriculum reform in science education.

A physics graduate from Swansea University, Tim also holds postgraduate qualifications from Cambridge University and the Institute of Education in London. He has presented at conferences in the UK, Australia and the USA and is currently working on doctoral research at the University of Queensland.

Tim has taught in the state, Catholic and independent sector in both coeducational and single-sex (both boys' and girls') schools. The director of Cognitive Architecture, Tim is committed to learning more about evidence-based practice in education and helping teachers navigate the often-perilous area of educational neuroscience.